

COPPER CONTROL  
OUTGOING LTR NO

DOE ORDER# 4700.1

14 RF 11283



EG&G ROCKY FLATS INC  
ROCKY FLATS PLANT P O BOX 464 GOLDEN COLORADO 80402 0464 (303) 966 7000

000045191

DIST	TR	ENC
AMARAL ME		
BURLINGAME AH		
BUSBY WS		
BRANCH DB		
CARNIVAL GJ		
DAVIS JG		
FERRERA DW		
FRAY RE		
GEIS JA		
GLOVER WS		
GOLAN PM		
HANNI BJ		
HARMAN LK		
HEALY TJ		
HEDAH T		
HILBIG JG		
HUTCHINS NM		
JACKSON DT		
KELL RE		
KUESTER AW		
MARX GE		
MCDONALD MM		
McKENNA FG		
MONTROSE JK		
MORGAN RV		
POTTER GL		
PIZZUTO VM		
RISING TL		
SANDLIN NB		
SCHWARTZ JK		
SETLOCK GH		
STEWART DL		
STIGER SG		
TOBIN PM		
VOORHEIS GM		
WILSON JM		
S. A. BICHER	✓	✓
F. W. CHROMAC	✓	✓
M. L. FRANCK	✓	✓
M. L. HOEG	✓	✓
A. H. HILSTEN	✓	✓
CORRES CONTROL	X	X
ADMN RECORD/080	✓	✓
TRAFFIC		
PATS/T130G		

CLASSIFICATION

UCNI	
UNCLASSIFIED	✓
CONFIDENTIAL	
SECRET	

AUTHORIZED CLASSIFIER  
DOCUMENT CLASSIFICATION  
REVIEW WAIVER PER  
CLASSIFICATION OFFICE

IN REPLY TO RFP CC NO  
N/A

ACTION ITEM STATUS  
□ PARTIAL/OPEN  
✓ CLOSED  
LTR APPROVALS

ORIG & TYPIST INITIALS  
CAB/GB

November 14 1994

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Frazer Lockhart  
Environmental Restoration Division  
DOE RFFO

Attn Kurt Muenchow

OPERABLE UNIT 5 WOMAN CREEK PRIORITY DRAINAGE TOXICITY TECHNICAL  
MEMORANDUM #14 ECM 065 94

Action Forward Attachment 1 to the Environmental Protection Agency (EPA) and the  
Colorado Department of Health and Environment (CDPHE)

This letter is submitted with regard to the guidance received from the EPA dated October  
12 1994 concerning the submittal of a Toxicity Assessment Technical Memorandum only  
in cases where an EPA verified toxicity value is not available from the Integrated Risk  
Information System (IRIS) or the Health Effects Assessment Summary Tables (HEAST)

The potential contaminants of concern (PCOC) identified in the Operable Unit 5  
Contaminants of Concern Technical Memorandum #11 have EPA verified toxicity values  
available from the IRIS or the HEAST (EPA 1994) except for the contaminants listed in  
the attached table This table contains the contaminant name toxicity values and source for  
each toxicity value

This letter is submitted to document completion of the requirements stated in paragraph  
VII D 1c of the Interagency Agreement Statement of Work regarding the submittal of a  
toxicity assessment technical memorandum

Please contact Carol Bicher at extension 9100 with any additional questions

Ed C Mast  
Operable Unit No 5 6 & 7 Closures  
Environmental Restoration Program Division

CAB cb

Orig and 1 cc F Lockhart

Attachment  
As Stated

cc  
P Singh Oakridge National Laboratory

ADMIN RECORD

### Toxicity Assessment Technical Memorandum #14

#### Toxicity Values

This table documents where an EPA verified toxicity value is not available from the Integrated Risk Information System (IRIS) or the Health Effects Assessment Summary Tables (HEAST). The potential contaminants of concern (PCOCs) identified for Operable Unit No 5 (OU5) in the Contaminants of Concern Technical Memorandum (TM11) have EPA verified toxicity values available from the IRIS or HEAST (EPA 1994) except for the contaminants listed in the following table. The table contains the contaminant name, toxicity values, and source for each toxicity value. As the table indicates, EPA will be used as the source for all values that are not in IRIS or HEAST.

PCOC	RfD (mg/kg d)		CFS 1/(mg/kg d)		EPA Cancer Weight of Evidence Group	Source
	Oral	Inhalation	Oral	Inhalation		
Aluminum	2.9E+00				N/A	Provisional value from EPA Environmental Criteria and Assessment Office (ECAO)
Cobalt	6.0E-02				N/A	Provisional value from EPA ECAO
Lithium	2.0E-02				N/A	Provisional value from EPA ECAO
Naphthalene	4.0E-02				N/A	Provisional value from EPA ECAO
Tetrachloroethene (PCE)			5.2E-02	2.0E-03	B2 Probable Human Carcinogen Sufficient evidence of carcinogenicity in animal with inadequate evidence in human	Memo from ECAO Joan S. Dollarhide Superfund Health Risk Technical Support Center Carcinogenicity Characterization of Perchloroethylene (PCE) and Trichloroethylene (TCE) (Luke Air Force Base Arizona)
Trichloroethene (TCE)			1.1E-02	6.0E-03	B2	Memo from ECAO Joan S. Dollarhide Superfund Health Risk Technical Support Center Risk Assessment Issue Paper for Carcinogenicity Information for TCE CAS No. 79-01-6 October 12, 1994
Benzo(a)anthracene			7.3E-01		B2	Guidance from EPA Region 8 on PAHs Development of Toxicity Values to use in Human Health Risk Assessments September 1994
Dibenzo(a,b)anthracene			7.3E-00		B2	
Indeno(1,2,3-cd)pyrene			7.3E-01		B2	
Benzo(b)fluoranthene			7.3E-01		B2	
Benzo(k)fluoranthene			7.3E-02		B2	
Chrysene			7.3E-03		B2	